

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

- E₁
- 1-4. (Cancelled).
 5. (Currently Amended) An inductor comprising:
 - a substrate comprising a semiconductor material;
 - a first dielectric layer over the substrate;
 - a first magnetic layer over the first dielectric layer ~~to reduce eddy currents~~
including a slot having a first shape;
 - a second dielectric layer over the first magnetic layer;
 - a conductor over the second dielectric layer having a second shape, the
first shape is independent of the second shape;
 - a second magnetic layer over the conductor; and
 - wherein the first and second magnetic layers comprises an amorphous alloy comprising cobalt, zirconium, and at least one element selected from the list of tantalum, niobium, and a rare earth element.
 6. (Currently Amended) An inductor comprising:
 - a substrate comprising a semiconductor material;
 - a first dielectric layer over the substrate;

a magnetic layer over the first dielectric layer;
a second dielectric layer over the magnetic layer; and
a conductor over the second dielectric layer, the conductor having a first

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shape;

wherein the magnetic layer defines at least one slot, the slot having a
second shape independent of a the first shape of the conductor.

7. (Currently Amended) An inductor comprising:

a substrate comprising a semiconductor material;

a first dielectric layer over the substrate;

a first magnetic layer over the first dielectric layer ~~to reduce eddy currents~~
including a slot having a first shape;

a second dielectric layer over the first magnetic layer;

a conductor over the second dielectric layer having a second shape, the
first shape is independent of the second shape;

a third dielectric layer over the conductor; and

a second magnetic layer over the third dielectric layer.

8. (Cancelled)

9. (Original) The inductor of claim 7, wherein the magnetic layers are
connected.

10. (Cancelled).

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11. (Withdrawn from consideration) The inductor of claim 1, wherein the first dielectric layer and the magnetic layer define one or more trenches and wherein the conductor defines a signal path along the one or more trenches.

12-17. (Cancelled).

18. (Withdrawn from consideration) The inductor of claim 12, wherein the first dielectric layer defines one or more trenches and wherein the conductor defines a signal path along the one or more trenches.
